

Title (en)  
COMBUSTION DEVICE

Title (de)  
VERBRENNUNGSVORRICHTUNG

Title (fr)  
INSTALLATION DE COMBUSTION

Publication  
**EP 4055325 A1 20220914 (FR)**

Application  
**EP 20804185 A 20201105**

Priority  
• FR 1912553 A 20191108  
• EP 2020081067 W 20201105

Abstract (en)  
[origin: WO2021089672A1] This combustion device (101) comprises a combustion chamber (110), an intake device (130) for supplying the combustion chamber with primary air (P), and a grating (114) which delimits the combustion chamber towards the bottom and is designed to support a bed formed of solid fuel substances (C), and able to move in a direction of advance (Z), the primary air passing through the grating. In order to improve the primary air intake conditions, a single casing (131) has an air inlet (132) divided into several subdivisions (132.1 to 132.3) which are provided so that the primary air flows through them in the form of distinct primary air streams (V1 to V3), each subdivision being provided with a flow-regulating member (134.1 to 134.3). The casing is provided with internal arrangements (137.1, 137.2) which direct the primary air streams leaving the air inlet towards respective regions (114.1 to 114.3) of the grating, which succeed one another in the direction of advance.

IPC 8 full level  
**F23G 5/50** (2006.01); **F23B 30/08** (2006.01); **F23B 30/10** (2006.01); **F23B 60/02** (2006.01); **F23G 5/00** (2006.01); **F23G 7/10** (2006.01); **F23L 1/02** (2006.01); **F23L 3/00** (2006.01); **F23L 13/00** (2006.01); **F23M 9/02** (2006.01); **F23N 5/08** (2006.01)

CPC (source: EP)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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